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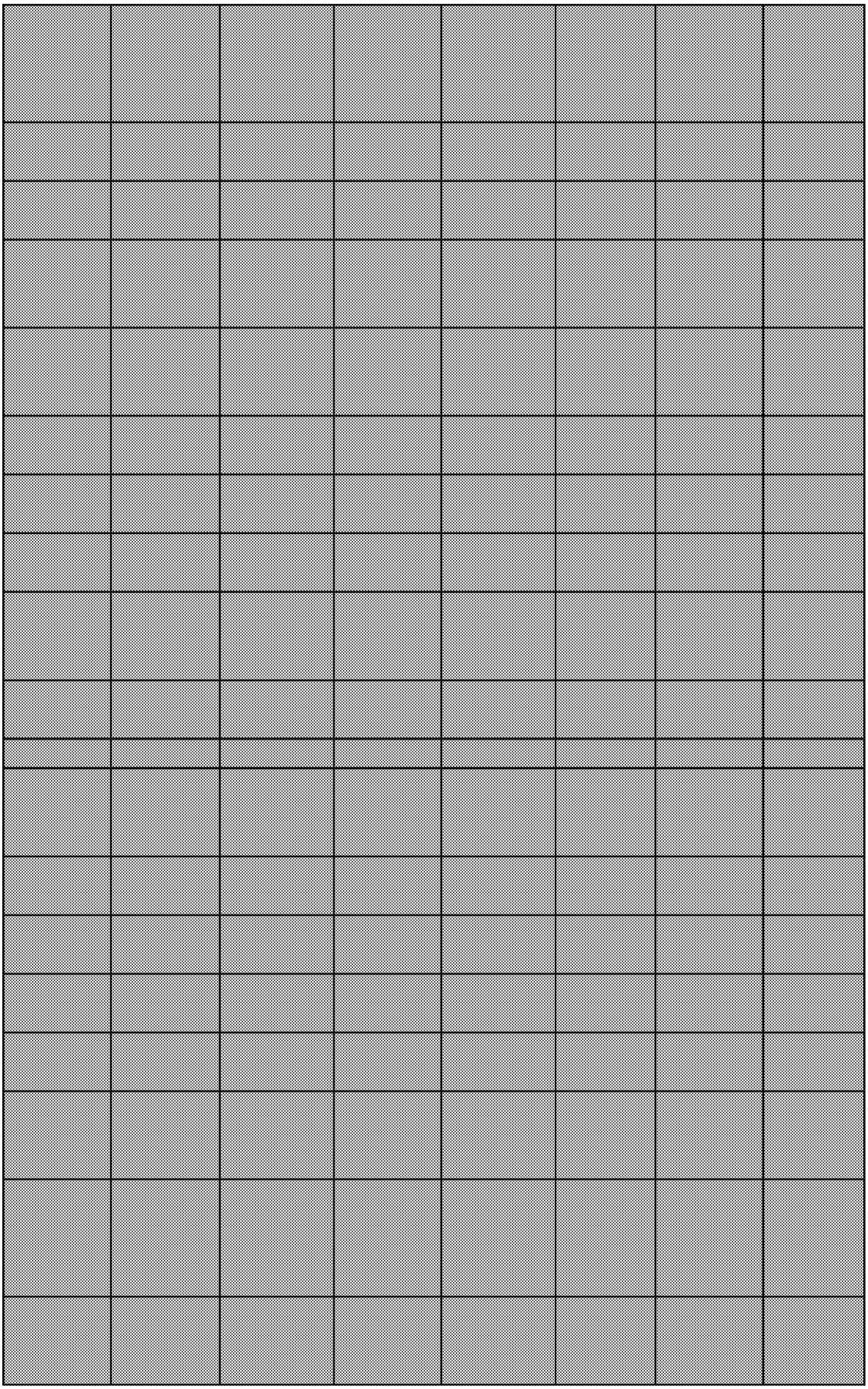

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The presence of the widely used selectable antibiotic marker, tetA(C), unexpectedly increased the sensitivity of Pseudom
A novel herbicide biosensor with a thylakoid modified membrane electrode is presented. Thylakoid, isolated from spinac
The aim of this study is to investigate the effects of molecular hydrogen (H2) and suberoylanilide hydroxamic acid (SAHA
The Nrf2 transcription factor is well conserved throughout metazoan evolution and serves as a central regulator of adapt
Reactive oxygen species (ROS)-related mitochondrial dysfunction is considered to play a vital role in seed deterioration. H
Paraquat, alachlor, butachlor, phorate and monocrotophos, several of the most extensively used pesticides in Taiwan, we
In traditional Chinese medicinal practices, herbs are classified as 'cold', 'neutral', or 'hot'. Fluorometric analysis of herbs v
BACKGROUND: The aging process, including physical dysfunction and age-related memory impairment (AMI), are conside
We investigated direct histamine release and its effects in edema formation following paraquat (PQ) injury in a blood-fre
Vanadate (V(V)) stimulates the oxidation of NADH by xanthine oxidase and superoxide dismutase eliminates the effect of
Lucigenin (bis-N-methylacridinium) (Luc2+) has frequently been used for the luminescent detection of O2-. In fact, the pa
Once thought only as storage for excess nutrients, adipose tissue has been shown to be a dynamic organ implicated in th
Cysteine catabolism presents cells with a double-edged sword. On the one hand, cysteine degradation provides cells with
The effects of acutely administered ethanol on absorption, accumulation and biotransformation of several model compo
The authors review the mechanisms of paraquat and diquat toxicity. They discuss the generation of multiple toxic active
A patient with chronic Parathione (E 605) poisoning was observed over a period of 55 days. During that time he develope
An injection port pyrolysis method for the analysis of quaternary ammonium compounds is reported. Identification and c
Oxidative stress is unavoidable for aerobic organisms. When abiotic and biotic stresses are encountered, oxidative dama

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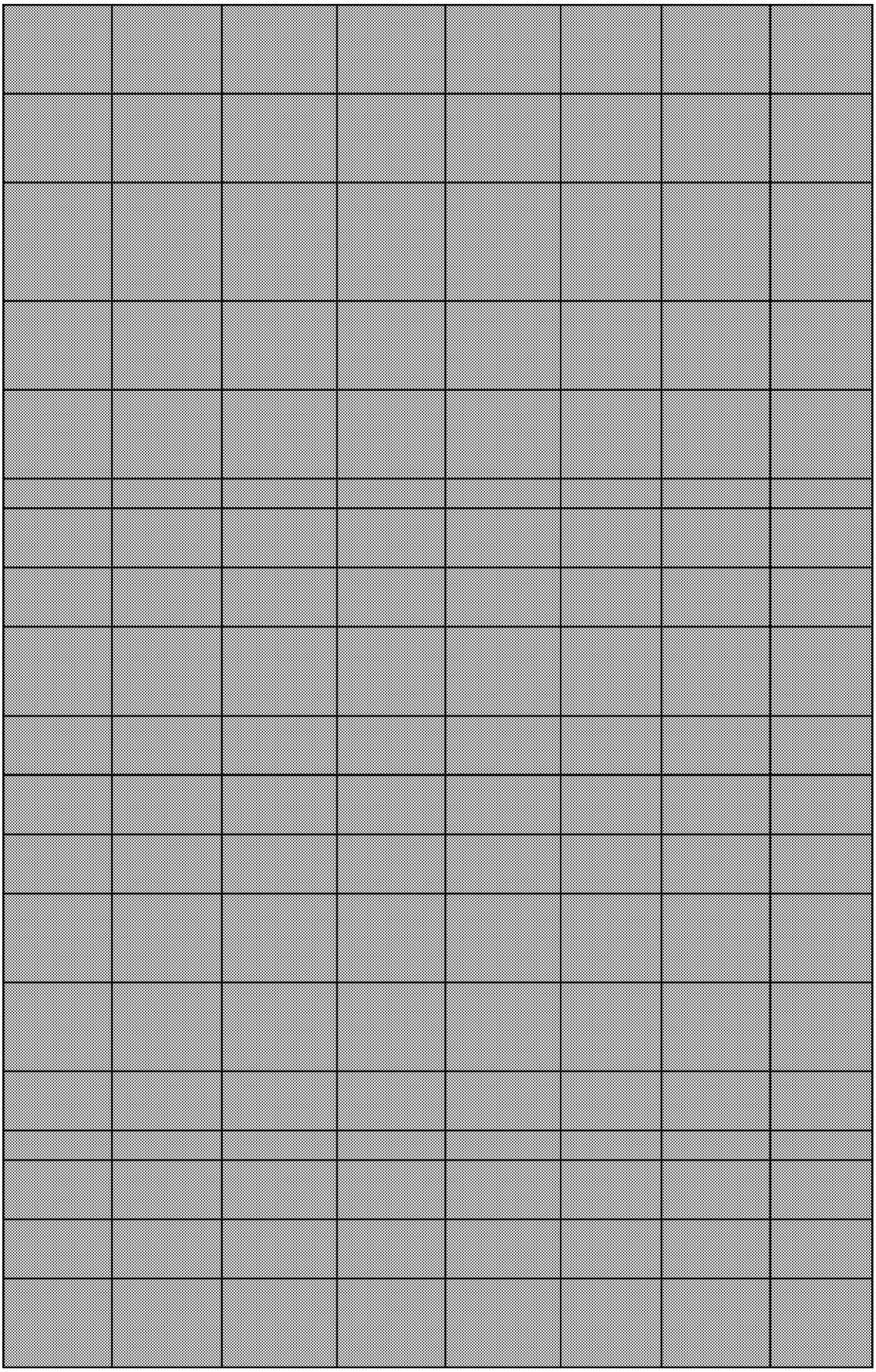

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Anthocyanidin reductase (ANR) is a key enzyme involved in the biosynthesis of proanthocyanidins (PAs) and plays a role i
NAC (NAM-ATAF1, 2-CUC2) family members play important roles in various environmental responses. Here, we cloned a
A primary culture of baboon proximal tubule cells (bPTC) was prepared and characterised using LLC-PK1 cells of proximal
Melatonin is synthesized by several tissues besides the pineal gland, and beyond its regulatory effects in light-dark cycle,
Under increased oxygen tensions, Thermus aquaticus exhibited a lag period in growth of 80 min, during which the specifi
A hydrogenase linked to the carbon monoxide oxidation pathway in Rubrivivax gelatinosus displays tolerance to O2. Whe
Photosensitive dyes representative of the thiazines, xanthenes, acridines, and phenazines mediated phototoxicity in Esch
The role of transition metals in paraquat toxicity was studied in cultures of Plasmodium falciparum. We showed that add
A wide variety of aromatic compounds are enzymatically reduced to form anion free radicals that generally contain one r
A study was made of the peroxide metabolism enzymes in carp fish, and of the effects on these of three different concen
Oxygen is essential for aerobic organisms but causes cytotoxicity probably through the generation of reactive oxygen spe
Superoxide radicals (O2-) are commonplace products of the biological reduction of oxygen. Their intrinsic reactivity and a
INTRODUCTION: This paper describes a novel technique, Fluorosomes, applied to investigating the interaction of antimic
Aging is tightly associated with redox events. The free radical theory of aging indicates that redox imbalance may be an i
These results demonstrate that two well-studied metalloenzymes, carbon monoxide dehydrogenase/acetyl-CoA synthas

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